

ABSTRACT

A tamper-evident, snap-on, screw-off closure is used with a specially shaped container neck. One neck has double lead external threads and, below the threads, a conical wall having external ratchet teeth. The closure has an upper skirt having internal threads mating with the neck threads. A conical lower skirt is connected to the upper skirt by a plurality of frangible bridges. The lower skirt has internal ratchet teeth to mate with the neck ratchet teeth. The cap skirt threads are double pitch and slightly over 360° in length. When the cap is applied to the neck it snaps on in two stages. The lower skirt has a tear tab which, when pulled, fractures the lower skirt on a vertical line. Continued pulling on the tab sequentially fractures the bridges. Another neck has a neck stretch with multiple neck threads and a locking wall below the neck stretch with a plurality of external teeth. The closure has an upper skirt with multiple closure threads which mate with the neck threads and a tamper-evidencing band with a plurality of internal teeth shaped and positioned to engage the external teeth. The teeth are shaped to guide the teeth into side-by-side interengage during axial application of the cap to the neck.

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